

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A process for purifying an impure substance through emulsion crystallization comprising the steps of

(a) forming an emulsion of organic liquid droplets in a continuous water phase, which emulsion contains the impure substance;

(b) super-saturating the emulsion in the substance;

(c) inducing crystallization of the substance, whereby crystallization takes place in the water phase;

(d) isolating the crystals of the substance resulting from step (c) from the emulsion, yielding an emulsion-filtrate;

(e) dissolving additional impure substance in the emulsion-filtrate ~~whereby the level of impurities builds up in the emulsion~~; and

(f) repeating steps (b)-(d) with the emulsion obtained from step (e), ~~whereby the level of impurities builds up in the emulsion with the repetition of steps (b) to (d).~~

2. (Original) A process according to claim 1 wherein crystals are isolated from emulsion in step (d) by centrifuge.

3. (Previously Presented) A process according to claim 1 wherein the emulsion is a micro-emulsion.

4. (Previously Presented) A process according to claim 1 wherein the emulsion is a macro-emulsion.
5. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by ultrasound, heating and/or stirring.
6. (Previously Presented) A process according to claim 1, wherein the crystals isolated in step (d) are washed with water optionally containing surfactant.
7. (Original) A process according to claim 6 wherein the washing water is applied to the crystals during centrifuging.
8. (Previously Presented) A process according to claim 1, wherein crystallization is induced by seeding with seed crystals of the substance.
9. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by stirring.
10. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by ultrasound and/or heating.